

What is claimed is:

1 1. An organic electroluminescent device, comprising:
2 a transparent substrate;
3 a transparent electrode formed on the transparent
4 substrate;
5 an organic thin film layer formed on the transparent
6 electrode to be a front electrode in a display area;
7 a back electrode formed opposite to the front electrode
8 on the organic thin film layer;
9 a metal auxiliary electrode to be leading wiring laminated
10 on the transparent electrode outside the display area; and
11 a sealing member bonded and fixed to the transparent
12 substrate so that it encircles the display area, wherein:
13 one or plural locations which crosses/cross the metal
14 auxiliary electrode and which is/are non-continuous in the
15 longitudinal direction of the metal auxiliary electrode is/are
16 formed in the metal auxiliary electrode located in a bonded part
17 of the transparent substrate and the sealing member.

1 2. An organic electroluminescent device, comprising:
2 a transparent substrate;
3 a transparent electrode formed on the transparent
4 substrate;
5 an organic thin film layer formed on the transparent
6 electrode to be a front electrode in a display area;
7 a back electrode formed opposite to the front electrode

8 on the organic thin film layer;

9 a metal auxiliary electrode to be leading wiring laminated
10 on the transparent electrode outside the display area; and

11 a sealing member bonded and fixed to the transparent
12 substrate so that it encircles the display area, wherein:

13 a pair of metal auxiliary electrodes are formed on the
14 transparent electrode to be the leading wiring outside the
15 display area; and

16 one or plural locations which crosses/cross the metal
17 auxiliary electrode and which is/are non-continuous in the
18 longitudinal direction of the metal auxiliary electrode is/are
19 formed in the metal auxiliary electrode located in the bonded
20 part of the transparent substrate and the sealing member.

1 3. The organic electroluminescent device according
2 to claim 2, wherein:

3 the length of each opposite part of a pair of opposite
4 metal auxiliary electrode in the bonded part of the leading wiring
5 and the sealing member is longer than the width of the leading
6 electrode.

1 4. The organic electroluminescent device according to
2 claim 1, wherein:

3 the metal auxiliary electrode is provided to the leading
4 wiring of the back electrode.

1 5. The organic electroluminescent device according to

2 claim 4, wherein:

3 the metal auxiliary electrode is further provided to the
4 leading wiring of the front electrode.

1 6. The organic electroluminescent device according to
2 claim 1, wherein:

3 area occupied by the transparent electrode being exposed
4 in a bonded part of the leading wiring and the sealing member
5 is in a range of 50 to 90% of the whole area of the bonded part.

1 7. The organic electroluminescent device according to
2 claim 2, wherein:

3 area occupied by the transparent electrode being exposed
4 in a bonded part of the leading wiring and the sealing member
5 is in the range of 50 to 90% of the whole area of the bonded
6 part.

1 8. The organic electroluminescent device according to
2 claim 1, wherein:

3 a resistance value of the leading wiring is 30 Ω or less.

1 9. The organic electroluminescent device according to
2 claim 2, wherein:

3 a resistance value of the leading wiring is 30 Ω or less.

1 10. The organic electroluminescent device according to
2 claim 1, wherein:

3 the leading wiring and the sealing member are bonded by
4 a ultraviolet cured adhesive.

1 11. The organic electroluminescent device according to
2 claim 2, wherein:

3 the leading wiring and the sealing member are bonded by
4 a ultraviolet hardened adhesive.

1 12. The organic electroluminescent device according to
2 claim 1, wherein:

3 the organic thin film layer has one of configuration
4 including only an organic luminescent layer, configuration
5 composed of an organic luminescent layer and an electron
6 transport layer, configuration composed of an organic
7 luminescent layer and a hole transport layer and configuration
8 composed of a hole transport layer, an organic luminescent layer
9 and an electron transport layer.

1 13. The organic electroluminescent device according to
2 claim 2, wherein:

3 the organic thin film layer has one of configuration
4 including only an organic luminescent layer, configuration
5 composed of an organic luminescent layer and an electron
6 transport layer, configuration composed of an organic
7 luminescent layer and a hole transport layer and configuration
8 composed of a hole transport layer, an organic luminescent layer
9 and an electron transport layer.

1 14. An organic electroluminescent device, comprising:
2 a transparent substrate;
3 plural transparent electrodes formed on the transparent
4 substrate;
5 an organic thin film layer formed on the transparent
6 electrode to be a front electrode in a display area;
7 plural back electrodes respectively formed opposite to
8 the front electrode on the organic thin film layer;
9 plural metal auxiliary electrodes to be leading wiring
10 respectively laminated on the plural transparent electrodes
11 outside the display area; and
12 a sealing member bonded and fixed to the transparent
13 substrate so that it encircles the display area, wherein:
14 one or plural locations which crosses/cross each metal
15 auxiliary electrode and which is/are non-continuous in the
16 longitudinal direction of the metal auxiliary electrode is/are
17 formed in each metal auxiliary electrode located in a bonded
18 part of the transparent substrate and the sealing member.

1 15. The organic electroluminescent device according to
2 claim 14, wherein:

3 each pair of the plural metal auxiliary electrodes to be
4 leading wiring is formed on the transparent electrode outside
5 the display area; and

6 distance between a first metal auxiliary electrode
7 continuous inside the sealing member and a second metal auxiliary

8 electrode continuous outside the sealing member of first leading
9 wiring in a bonded part of the first leading wiring and the sealing
10 member is shorter than distance between the first metal auxiliary
11 electrode and the a third metal auxiliary electrode continuous
12 outside the sealing member of second leading wiring adjacent
13 to the first leading wiring.

1 16. The organic electroluminescent device according to
2 claim 15, wherein:

3 a non-continuous pattern of the metal auxiliary electrode
4 in a bonded part of the first leading wiring and the sealing
5 member is in the relation of a reflected image with a
6 non-continuous pattern of the metal auxiliary electrode in a
7 bonded part of the second leading wiring and the sealing member.

1 17. The organic electroluminescent device according to
2 claim 14, wherein:

3 the length of each opposite part of a pair of opposite
4 metal auxiliary electrodes in a bonded part of the leading wiring
5 and the sealing member is longer than the width of the leading
6 electrode.

1 18. The organic electroluminescent device according to
2 claim 14, wherein:

3 the metal auxiliary electrode is provided to each leading
4 wiring of the plural back electrodes.

1 19. The organic electroluminescent device according to
2 claim 18, wherein:
3 the metal auxiliary electrode is further provided to each
4 leading wiring of the plural front electrodes.